

DOE Nevada - Position Sensitive Radiation Monitoring System

Five facilities at the NTS are slated for D&D in the next seven years. The first facilities to be surveyed for D&D are in the industrial area, where nuclear rocket development took place. A system is required for scanning large concrete pads and floors for alpha, beta, and gamma contamination. Shonka Research Associates' Surface Contamination Monitor/Survey Information Management System (SCM/SIMS) will be deployed at the Test Cell C Facility, and at other NTS facilities. SCM/SIMS continuously logs data and automatically generates survey reports which facilitate optimal remediation planning.



Application:

- **Characterization of Large Exterior Concrete Pads & Interior Floors**

Benefits:

- **Expedited Survey and Closure Time**
- **Reduced Survey Cost and Risk**
- **Higher Confidence in Survey Data**
- **Video Camera, Real Time Video**
- **More Sensitive Detection Capability**

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Site Need Addressed:

- NV10-9902-095; Improved Detection and Characterization of Large Metal and Concrete Surfaces

Planned Funding Profile:

- ASTD Funding \$85K
- Site (NV) Funding \$165K
- Total Project Cost \$250K

Cost Savings:

- Projected Cost Savings \$106K (Test Pad “C”); ~ \$550K (7 Facilities)



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Proposed Schedule:

- Procure SCM/SIMS System
- System Training/Shakedown
- Initial Deployment (Test Cell C)
- 2nd Deployment (Pluto Facility)

Planned Dates:

June 1999
Sept 1999
October 1999
December 1999

Points of Contact:

- DOE-NV Project Manager
- Technology Integration
Manager
- DDFA Project Manager

Clayton Barrow (702) 295-7960

Mark Distefano (702) 295-2191

John Duda, (304) 285-4217

